

Amendments to the Claims: This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

PATENT CLAIMS

We claim:

1. (Currently amended) Said A flow rate limiter (DUR)—with a said flow body (DUK), wherein the said flow body (DUK)—is penetrated by at least one said channel (KAN), through which a fluid can flow, with a said inlet port (EIN)—and a said outlet port (AUS)—and is provided with at least one said gas channel (GKA)—with a said gas intake (GAF)—and a said gas outlet port (GUF)—for a gas to be mixed with the fluid emerging from the said channel (KAN),

characterized in thatwherein

a said an inlet funnel (ELT)—is connected to the said inlet port (EIN).

2. (Currently amended) Said The flow rate limiter (DUR)—in accordance with claim 1, characterized in thatwherein the curvature of the said inlet funnel (ELT)—corresponds to a curve $F(x) = C*1/x$.
3. (Currently amended) Said The flow rate limiter (DUR)—in accordance with claim 1—or 2, characterized in thatwherein the at least one said channel (KAN)—for the fluid and the at least one said gas outlet port (GUF)—open into one plane.
4. (Currently amended) Said The flow rate limiter (DUR)—in accordance with one of the claims 1 through 3claim 1, characterized in thatwherein the said at least one channel (KAN)—has a circular cylindrical design and is arranged axially in the said flow body (DUK).
5. (Currently amended) Said The flow rate limiter (DUR)—in accordance with one of the claims 1 through 4claim 1, characterized in thatwherein a said nonreturn valve (RUC)—is arranged in the said gas channel (GKA).

6. (Currently amended) ~~Said~~ The flow rate limiter (~~DUR~~) in accordance with ~~one of the claims 1 through 5~~claim 1, characterized in ~~that~~wherein the said flow rate limiter (~~DUR~~) has at least one ~~said~~ recess (~~AUN~~) for receiving magnetic, inorganic or organic materials.
7. (Currently amended) ~~Said~~ A mount (~~AUF~~) for limiting flow rate with a ~~said~~an inlet port (~~INL~~) and a ~~said~~an outlet port (~~OUT~~) for a fluid, wherein the ~~said~~ inlet port (~~INL~~) has a larger cross section than the ~~said~~ outlet port (~~OUT~~), characterized in ~~that~~wherein the a ~~said~~ flow rate limiter (~~DUR~~) in accordance with ~~one of the claims 1 through 5~~claim 1 is arranged between the ~~said~~ inlet port (~~INL~~) and the ~~said~~ outlet port (~~OUT~~).
8. (Currently amended) ~~Said~~ The mount (~~AUF~~) in accordance with claim 7, characterized in ~~that~~wherein the ~~said~~ gas intake (~~GAF~~) of the ~~said~~ flow rate limiter (~~DUR~~) is connected in the mounted state in alignment with a ~~said~~ gas intake channel (~~GAS~~) of the ~~said~~ mount (~~AUF~~).
9. (Currently amended) ~~Said~~ The mount (~~AUF~~) in accordance with claim 7—or—8, characterized in ~~that~~wherein the ~~said~~ at least one channel (~~KAN~~) for the fluid and the ~~said~~ at least one gas outlet port (~~GUF~~) open into a ~~said~~ mixing chamber (~~MIS~~) that is permeable in the flow direction.
10. (Currently amended) ~~Said~~ The mount (~~AUF~~) in accordance with claim 9, characterized in ~~that~~wherein the ~~said~~ mixing chamber (~~MIS~~) has a truncated cone-shaped cross section.
11. (Currently amended) ~~Said~~ The mount (~~AUF~~) in accordance with claim 9, characterized in ~~that~~wherein the ~~said~~ mixing chamber (~~MIS~~) has ~~said~~ rounded shoulders (~~SUL~~), whose curvature corresponds to a curve $F(x) = C*1/x$.
12. (Currently amended) ~~Said~~ The mount (~~AUF~~) in accordance with ~~one of the claims 7 through 11~~claim 7, characterized in ~~that~~wherein the ~~said~~ flow rate limiter (~~DUR~~) has at least one ~~said~~ grooved section (~~NUT~~) on the ~~said~~ outer surface (~~AMA~~).
13. (Currently amended) ~~Said~~ The mount (~~AUF~~) in accordance with ~~one of the claims 7 through 11~~claim 7, characterized in ~~that~~wherein the ~~said~~ mount (~~AUF~~) has at least one ~~said~~ grooved section on the ~~said~~ inner surface (~~IMA~~).

14. (Currently amended) Said The mount (AUF) in accordance with ~~one of the claims 7 through 13~~claim 7, characterized in thatwherein the said outer surface (OBE) of the said mount (AUF) has a smooth design.
15. (Currently amended) Said The mount (AUF) in accordance with ~~one of the claims 7 through 14~~claim 7, characterized in thatwherein at least one said means (MIT) is provided for controlling the flow rate.
16. (Currently amended) Mount The mount in accordance with ~~one of the claims 7 through 15~~claim 7, characterized in thatwherein the said housing (GEH) has at least one said recess (AUN) in the area of the said outlet port (OUT) for receiving magnetic, inorganic or organic materials.
17. (Currently amended) Mount The mount in accordance with ~~one of the claims 6 through 15~~claim 7, characterized in thatwherein the said housing (GEH) has at least one said recess (AUN) in the area of the said flow rate limiter (DUR) for receiving magnetic, inorganic or organic materials.
18. (Currently amended) Use A use of a said flow rate limiter (DUR) in accordance with ~~one of the claims 1 through 6~~claim 1 for mixing water as the fluid and air as the gas.
19. (Currently amended) Process A process for mixing at least one fluid with at least one gas, characterized in thatwherein the flow rate of the at least one fluid is reduced and its flow rate is increased, and the fluid is swirled and then mixed with the at least one gas.
20. (Currently amended) Process The process in accordance with claim 19, characterized in thatwherein water as fluid and air as gas are used.